

# Yau Kei Chan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2895072/publications.pdf>

Version: 2024-02-01

53  
papers

814  
citations

623734

14  
h-index

610901

24  
g-index

54  
all docs

54  
docs citations

54  
times ranked

812  
citing authors

#	ARTICLE	IF	CITATIONS
1	Correspondence. Retinal Cases and Brief Reports, 2022, 16, 1-2.	0.6	1
2	Infection Micromilieu-Activated Nanocatalytic Membrane for Orchestrating Rapid Sterilization and Stalled Chronic Wound Regeneration. Advanced Functional Materials, 2022, 32, 2109469.	14.9	51
3	Photo-Activated Nanofibrous Membrane with Self-Rechargeable Antibacterial Function for Stubborn Infected Cutaneous Regeneration. Small, 2022, 18, e2105988.	10.0	26
4	Optical coherence tomography angiography of the macular microcirculation in acute primary angle closure treated with phacoemulsification. International Ophthalmology, 2022, 42, 1781-1788.	1.4	1
5	A systematic review of multimodal clinical biomarkers in the management of thyroid eye disease. Reviews in Endocrine and Metabolic Disorders, 2022, 23, 541-567.	5.7	4
6	Bimetal metal-organic framework domino micro-reactor for synergistic antibacterial starvation/chemodynamic therapy and robust wound healing. Nanoscale, 2022, 14, 2052-2064.	5.6	25
7	Virtual reality and augmented reality- emerging screening and diagnostic techniques in ophthalmology: A systematic review. Survey of Ophthalmology, 2022, 67, 1516-1530.	4.0	18
8	Scaffold-Free Strategy Using a PEG-Dextran Aqueous Two-Phase-System for Corneal Tissue Repair. ACS Biomaterials Science and Engineering, 2022, 8, 1987-1999.	5.2	6
9	What Is the Cause of Toxicity of Silicone Oil?. Materials, 2022, 15, 269.	2.9	13
10	Heterostructured Metal-Organic Frameworks/Polydopamine Coating Endows Polyetheretherketone Implants with Multimodal Osteogenicity and Photoswitchable Disinfection. Advanced Healthcare Materials, 2022, 11, e2200641.	7.6	15
11	Current and Future Perspectives on Microfluidic Tear Analytic Devices. ACS Sensors, 2022, 7, 1300-1314.	7.8	7
12	Lycium barbarum polysaccharide promotes corneal Re-epithelialization after alkaline injury. Experimental Eye Research, 2022, 221, 109151.	2.6	7
13	A Systematic Review on Cornea Epithelial-Stromal Homeostasis. Ophthalmic Research, 2021, 64, 178-191.	1.9	8
14	A systematic review on advances in diagnostics for herpes simplex keratitis. Survey of Ophthalmology, 2021, 66, 514-530.	4.0	10
15	Comment on "Fluid viscosity but not surface tension, determines the tamponade effect of intravitreal fluids in a novel in vitro eye model of retinal detachment" by A. Friehmann et al. (J. Mech. Behav.) Tj ETQq1 1 0.784314 rgBT <sub>0</sub> /Overlook 104128.		
16	Silicone oil in vitreoretinal surgery: indications, complications, new developments and alternative long-term tamponade agents. Acta Ophthalmologica, 2021, 99, 240-250.	1.1	37
17	An in vitro study of subretinal perfluorocarbon liquid (PFCL) droplets and the physics of their retention and evacuation. Acta Ophthalmologica, 2021, 99, e1517-e1523.	1.1	2
18	Changes in circumpapillary retinal vessel density after acute primary angle closure episode via OCT angiography. International Ophthalmology, 2021, 41, 2389-2397.	1.4	5

#	ARTICLE	IF	CITATIONS
19	The anti-scarring role of Lycium barbarum polysaccharide on cornea epithelial-stromal injury. <i>Experimental Eye Research</i> , 2021, 211, 108747.	2.6	9
20	Improved Dry Eye Symptoms and Signs of Patients With Meibomian Gland Dysfunction by a Dietary Supplement. <i>Frontiers in Medicine</i> , 2021, 8, 769132.	2.6	6
21	Amphiphilic additives in silicone oil tamponade and emulsification: an eye-on-a-chip study. <i>Acta Ophthalmologica</i> , 2020, 98, e232-e237.	1.1	9
22	On-Demand Droplet Collection for Capturing Single Cells. <i>Small</i> , 2020, 16, e1902889.	10.0	29
23	Combined Phacoemulsification With Goniosynechialysis Under Ophthalmic Endoscope for Primary Angle-closure Glaucoma After Failed Trabeculectomy. <i>Journal of Glaucoma</i> , 2020, 29, 941-947.	1.6	3
24	Comment on "Safety of silicone oils as intraocular medical device: An in vitro cytotoxicity study" by M. R. Romano et al. ( <i>Exp. Eye Res.</i> Vol 194, May 2020, 108018). <i>Experimental Eye Research</i> , 2020, 195, 108032.	2.6	2
25	Eye-on-a-chip (EOC) models and their role in the future of ophthalmic drug discovery. <i>Expert Review of Ophthalmology</i> , 2020, 15, 259-261.	0.6	13
26	Silicone Tube Miniature Drainage Device Implanted under Scleral Flap for the Surgical Treatment of Glaucoma. <i>Current Eye Research</i> , 2020, 45, 820-826.	1.5	0
27	Evaluation of Two Different Anterior Vitrectomies for Fluid Misdirection Syndrome Secondary to Cataract Surgery Combined with Goniosynechialysis. <i>Journal of Ophthalmology</i> , 2020, 2020, 1-7.	1.3	1
28	Long term outcomes of cataract surgery in severe and end stage primary angle closure glaucoma with controlled IOP: a retrospective study. <i>BMC Ophthalmology</i> , 2020, 20, 160.	1.4	3
29	A Systematic Review of Emerging Therapeutic Strategies in the Management of Chemical Injuries of the Ocular Surface. <i>Eye and Contact Lens</i> , 2020, 46, 329-340.	1.6	1
30	Hierarchical ZnO Nanotube/Graphene Oxide Nanostructures Endow Pure Zn Implant with Synergistic Bactericidal Activity and Osteogenicity. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 19377-19385.	3.7	16
31	An in vitro pressure model towards studying the response of primary retinal ganglion cells to elevated hydrostatic pressures. <i>Scientific Reports</i> , 2019, 9, 9057.	3.3	20
32	All-Aqueous Thin-Film-Flow-Induced Cell-Based Monolayers. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 22869-22877.	8.0	4
33	Ciliochoroidal detachment after Ahmed glaucoma valve implantation: a retrospective study. <i>BMC Ophthalmology</i> , 2019, 19, 46.	1.4	2
34	Experimental modeling of cornea wound healing in diabetes: clinical applications and beyond. <i>BMJ Open Diabetes Research and Care</i> , 2019, 7, e000779.	2.8	36
35	Therapeutic Strategies for Attenuation of Retinal Ganglion Cell Injury in Optic Neuropathies: Concepts in Translational Research and Therapeutic Implications. <i>BioMed Research International</i> , 2019, 2019, 1-10.	1.9	21
36	Adhesion of silicone oil and emulsification: an in vitro assessment using a microfluidic device and "Eye-on-a-Chip"™. <i>Acta Ophthalmologica</i> , 2019, 97, 313-318.	1.1	23

#	ARTICLE	IF	CITATIONS
37	Laws of physics help explain capillary non-perfusion in diabetic retinopathy. <i>Eye</i> , 2018, 32, 210-212.	2.1	19
38	Intraocular currents, Bernoulli's principle and non-drainage scleral buckling for rhegmatogenous retinal detachment. <i>Eye</i> , 2018, 32, 213-221.	2.1	11
39	Prospective Study on Ex-PRESS Implantation Combined with Phacoemulsification in Primary Angle-Closure Glaucoma Coexisting Cataract: 3-Year Results. <i>Current Eye Research</i> , 2018, 43, 1045-1051.	1.5	7
40	A perfluorobutylpentane (F4H5)-based solution for the removal of residual emulsified silicone oil. <i>Acta Ophthalmologica</i> , 2018, 96, e38-e45.	1.1	6
41	Combined Phacoemulsification and Goniosynechialysis under an Endoscope for Chronic Primary Angle-Closure Glaucoma. <i>Journal of Ophthalmology</i> , 2018, 2018, 1-7.	1.3	16
42	In vitro experiment to elucidate the mechanism of the "soft shell technique" for preventing subretinal migration of perfluoro-octane. <i>British Journal of Ophthalmology</i> , 2017, 101, bjophthalmol-2016-309856.	3.9	6
43	Phase-Separation-Induced Formation of Janus Droplets Based on Aqueous Two-Phase Systems. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600422.	2.2	41
44	Macromol. Chem. Phys. 2/2017. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, .	2.2	1
45	Towards better characterization and quantification of emulsification of silicone oil <i>in vitro</i> . <i>Acta Ophthalmologica</i> , 2017, 95, e385-e392.	1.1	12
46	A Low-Molecular-Weight Oil Cleaner For Removal of Leftover Silicone Oil Intraocular Tamponade. <i>Investigative Ophthalmology and Visual Science</i> , 2015, 56, 1014-1022.	3.3	12
47	In Vitro Modeling of Emulsification of Silicone Oil as Intraocular Tamponade Using Microengineered Eye-on-a-Chip. , 2015, 56, 3314.		32
48	Quantifying silicone oil emulsification in patients: are we only seeing the tip of the iceberg?. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2015, 253, 1671-1675.	1.9	30
49	All-Aqueous Electrosprayed Emulsion for Templated Fabrication of Cytocompatible Microcapsules. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 13925-13933.	8.0	105
50	Development of emulsification resistant heavier-than-water tamponades using high molecular weight silicone oil polymers. <i>Journal of Biomaterials Applications</i> , 2015, 30, 212-220.	2.4	11
51	Flow Behavior of Heavy Silicone Oil During Eye Movements. <i>Investigative Ophthalmology and Visual Science</i> , 2014, 55, 8453-8457.	3.3	12
52	Factors Influencing the Shear Rate Acting on Silicone Oil to Cause Silicone Oil Emulsification. , 2014, 55, 7451.		19
53	Emulsification of Silicone Oil and Eye Movements. , 2011, 52, 9721.		39